Table S-2. Summary of Normal Operational Impacts at West Valley

Impact Area	Unit of Measure	No Action Alternative	Alternative A - Preferred	Alternative B
Human Health Impacts[a]				
Public Impacts from Ongoing Operations				
MEI	LCF	3.7×10^{-7}	3.7×10^{-7}	3.7×10^{-7}
Population	LCF	1.5×10^{-3}	1.5×10^{-3}	1.5×10^{-3}
Worker Impacts				
Involved worker MEI	LCF	3.4×10^{-4}	1.3×10^{-3}	1.3×10^{-3}
Noninvolved worker MEI	LCF	3.0×10^{-4}	3.0×10^{-4}	3.0×10^{-4}
Involved worker population	LCF	2.1×10^{-3}	0.031	0.031
Noninvolved worker population	LCF	0.075	0.075	0.075
Total worker population	LCF	0.077	0.11	0.11
Transportation (from all causes – radiological and nonradiological; routine and accident conditions)				
Total	Shipments	169 (truck) 85 (rail)	2,550 (truck) 847 (rail)	3,120 (truck)[b] 1,079 (rail)[c]
Impacts				
Truck	Fatalities	0.034-0.041	0.79-0.82	0.84-0.93
Rail	Fatalities	0.042-0.049	0.60-0.68	0.66-0.79
Maximum Reasonably Foreseeable Accident				
Truck	LCF (probability)	1 (5×10^{-7})	4 (6×10^{-7})	4 (8×10^{-7})
Rail	LCF (probability)	2 (2×10^{-6})	4 (1×10^{-7})	4 (3×10^{-7})
Geology and Soils		No impact	No impact	No impact
Water Quality and Resources				
Groundwater		No impact	No impact	No impact
Surface water		No impact	No impact	No impact
Wetlands		No impact	No impact	No impact
Floodplains		No impact	No impact	No impact
Noise and Aesthetics		No impact	No impact	No impact
Ecological Resources				
Threatened and endangered species		No impact	No impact	No impact
Other plants and animals		No impact	No impact	No impact
Land Use		No impact	No impact	No impact
Socioeconomics		No impact	No impact	No impact
Environmental Justice		No impact	No impact	No impact
Cultural Resources		No impact	No impact	No impact

a. MEI = maximally exposed individual; LCF = latent cancer fatality (number of fatalities expected or probability).

b. Includes 270 TRU waste, and 300 HLW, truck shipments from interim storage to disposal. Alternative B would load the same number of truck shipments (2,550) at WVDP for shipment offsite as Alternative A.

c. Includes 172 TRU waste, and 60 HLW, rail shipments from interim storage to disposal. Alternative B would load the same number of rail shipments (847) at WVDP for shipment offsite as Alternative A.